

Amendments to the Specification:

[0005] According to the progress of the information storage and the propagation technology, the songs with the vocal signal and the background music are capable of being stored in different channel in a media in the modern electronic technology.

- 5 Please refer to the FIG. 1. FIG. 1 is a schematic diagram of playing device 10 according to the prior art. The playing device 10 is capable of a video disc player or a video disc driver operating with a computer to read and display the image and the voice data of the song. In the playing device 10, ~~[[the]]~~ a playing ~~[[unit]]~~ circuit 12 is the function of the playing device 10, the playing circuit 12 comprises a receiving
- 10 circuit 14, a processing module 16, a transferring circuit 18, ~~[[a]]~~ an interface circuit 20 and a speaker 22. The receiving circuit 14 comprises a motor 24A and a read/write head 24B to read and analyze the signal 25 stored in the video disc 24C that is used as ~~[[a]]~~ an information storage medium. The processing module 16 is used for controlling the playing device 10, and comprises a processing unit 26A and a selection circuit 26B.
- 15 The processing unit 26A is used for dealing with the signal generated by the receiving circuit 14(ex: modulation, decoding).

- [0023] Please refer to FIG. 4. FIG. 4 is a block diagram of the ~~palying~~ playing device 30 according to the present invention. The function of playing device 30 is operated
- 20 by the ~~palying~~ playing circuit 32. The ~~palying~~ playing circuit 32 includes a receiving circuit 34, a processing module 36, ~~[[a]]~~ an interface circuit 40, a transferring circuit 38 and a speaker 42. The playing device 30 is capable of a video player or a video driver, ~~and-which~~ includes a motor 43A and a laser read/write head 43B ~~[[. And]]~~ for reading the signal 45 (like the video signals) from a video disc 43C. The processing
- 25 module 36 includes a processing unit 46A, a determining circuit 50 and a selection circuit 46B. The interface circuit 40 is capable of a control panel to accept the users controlling. The processing module controls the playing device 30 according to the users controlling accepted by the interface circuit 40. The processing unit 46A in the processing module 36 can operate the further signal processing (like the decoding,
- 30 modulation or demodulation). The signals 47A and 47B that are in left and right

channels are analyzed from the signal 45. And then one of the signals 47A and 47B is chosen as the signal 49A through the controlling of the selection circuit 46B. The transferring circuit 38 can transform the digital signal 49A to the analog signal 49B and transmits the signal 49B to the speaker 42 to transform into the sound wave and to play.

[0024] In the playing device 30 of the invention, the selection circuit 46B is the same as the playing device 10. The selection circuit 46B can play the voice signal in one of the channels that is chosen by user according to the users controlling through interface circuit 40. The selection circuit 46B also can realize the algorithm of the present invention in the FIG. 3 and detect the voice signal mixed with the vocal signal between the voice signals 47A and 47B stored in the right and left channels automatically and controls the selection circuit 40 to choose the suitable voice signal as the signal 49A. In the other word, in the users operation interface of the playing device 30 in the invention, except playing the voice signals between right and left channels manually, there is a "karaoke mode"(Without vocal mode) in the users operation interface. In the karaoke mode, the ~~selection~~ determining circuit 50 in the invention operates. The ~~selection~~ determining circuit 50 detects the voice signal that is not mixed with vocal signal between voice signal 47A and 47B automatically and play the signal 49 through the transferring circuit 38 and the speaker 42. And the users can find the background music between right and left channels without the minute and complicated processes. Equally, there is a "song mode" in the playing device 30. When the playing device 30 operates in the song mode, the determining circuit 50 can detect the song voice signal mixed with the vocal signal in the voice signal 47A and 47B to play.